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**(54) FUEL INCREASER FOR
DIESEL ENGINE PROVIDED
WITH DPF SYSTEM**

(57) Abstract:

PURPOSE: To prevent the occurrence of an output drop in time of regeneration of a Diesel particulate filter, by installing a lever ratio converting device in position between an accelerator pedal and a control lever of a fuel injection pump, while shifting a lever ratio to the increment side in synchronization with a retard signal out of a Diesel particulate filter (DPF) system.

CONSTITUTION: A wire 3b connected to an accelerator pedal 1 and another wire 3a connected to a control lever 2 of a fuel injection pump are coupled together via an intermediate lever 5. A rod 9a of a suction pressure motor 9 is coupled with a pin 10 connected to the wire 3a at the side of the control lever 2. A solenoid valve 11 is installed in position between a vacuum tank 12 and the suction pressure tank 9, and when a control unit 13 judges the regeneration timing of a Diesel particulate filter from each signal of engine speed, accelerator opening, exhaust pressure at the upstream of the DPF, it emits a signal, turning on the solenoid valve 11, together with an injection retard (timing delay) signal, shifting a lever ratio to the fuel quantity increment side by the suction pressure motor 9. With this constitution, an output drop is prevented

